

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Ramanujan Valmiki, et al.

U.S. Serial No.: 10/623,839

Filed: July 16, 2003

For: VIDEO AND GRAPHICS SYSTEM
WITH AN MPEG VIDEO DECODER
FOR CONCURRENT MULTI-ROW
DECODING

Examiner: Sajous, Wesner

Group Art Unit: 2628

Confirmation No.: 6514

ELECTRONICALLY FILED
On March 29, 2007

**LITIGATION STATEMENT PURSUANT TO MPEP § 2001.06(C) and INFORMATION
DISCLOSURE STATEMENT**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The owner of record of the present application, Broadcom Corporation, is currently involved in a patent infringement action with Qualcomm, Inc., Case No. 06-CV-0660 B, pending in the Southern District of California.

Pursuant to MPEP 2001.06(c), the Applicants would like to bring to the attention of the U.S. Patent and Trademark Office that the subject matter currently being claimed in the present application may be related to at least one of the patents currently asserted by Broadcom in the above-mentioned lawsuit.

The Applicants have also attached with this electronic submission a completed PTO form PTO/SB/08A which has seven (7) pages. Copies of each printed reference listed in the PTO/SB/08A form are attached with this electronic submission. Applicants, however, have not

submitted U.S. Patents or other references previously provided to or by the PTO in this application. Fifty-seven (57) references are attached in this electronic submission.

The references being submitted have been either cited, produced or relied upon by Qualcomm thus far during the above-mentioned lawsuit. This submission is in no way intended as an admission that the submitted references constitute prior art under any subsection of 35 U.S.C. §102 or §103. Applicant expressly retains the right to argue that any of the cited references are not indeed prior art or to take any actions necessary to remove any of the cited references from the available prior art.

The Examiner is requested to initial the attached PTO/SB/08A and return one copy to the applicants to indicate consideration of the attached references.

No fee is believed to be due because:

- * The applicant(s) believe(s) that this statement and enclosures are being filed before the first Office action on the merits has been mailed by the PTO. The basis of this belief is that no Office action on the merits appears to have been received by the undersigned to date.

The Commissioner is hereby authorized to charge any fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

Respectfully submitted,

Date: March 29, 2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 7

Complete if Known

Application Number	10/623,839
Filing Date	July 16, 2003
First Named Inventor	Ramanujan Valmiki
Group Art Unit	2628
Examiner Name	Sajous, Wesner
Attorney Docket Number	17413US02

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	4,020,332	04-26-1977	Chochiere et al.	
	A2	4,367,486	01-04-1983	Takeda et al.	
	A3	4,532,547	07-30-1985	Bennett	
	A4	4,679,040	07-07-1987	Yan	
	A5	4,680,033	06-18-1987	Carini et al.	
	A6	4,954,970	09-04-1990	Walker et al.	
	A7	4,959,718	09-25-1990	Bennett	
	A8	4,967,392	10-30-1990	Werner et al.	
	A9	5,043,714	08-27-1991	Pertman	
	A10	5,097,257	03-17-1992	Clough et al.	
	A11	5,142,273	08-25-1992	Wobesin	
	A12	5,155,816	10-13-1992	Kohn	
	A13	5,258,747	11-02-1993	Oda et al.	
	A14	5,262,854	11-16-1993	Ng	
	A15	5,307,177	04-26-1994	Shibata et al.	
	A16	5,384,512	01-24-1995	Ogrinc et al.	
	A17	5,396,567	03-07-1995	Jess	
	A18	5,398,211	03-14-1995	Witzel et al.	
	A19	5,404,447	04-04-1995	Drako et al.	
	A20	5,418,535	05-23-1995	Masucci et al.	
	A21	5,432,900	07-11-1995	Rhodes et al.	
	A22	5,434,683	07-18-1995	Sekine et al.	
	A23	5,434,857	07-18-1995	Moller	
	A24	5,467,144	11-14-1995	Seeger et al.	
	A25	5,471,411	11-28-1995	Adonis et al.	
	A26	5,515,077	05-07-1996	Takayama	
	A27	5,526,054	08-11-1996	Greenfield et al.	
	A28	5,533,182	07-02-1996	Bates et al.	
	A29	5,546,103	08-13-1996	Rhodes et al.	
	A30	5,550,594	08-27-1996	Cooper et al.	
	A31	5,570,296	10-29-1996	Heyl et al.	
	A32	5,577,187	11-19-1996	Manani	
	A33	5,600,364	02-04-1997	Hendricks et al.	
	A34	5,604,514	02-18-1997	Hancock	
	A35	5,614,952	03-25-1997	Boyce et al.	
	A36	5,615,376	03-25-1997	Ranganathan	
	A37	5,619,337	04-08-1997	Namipally	
	A38	5,621,869	04-15-1997	Drems	

EXAMINER
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
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STATEMENT BY APPLICANT**

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Sheet 2 Of 7

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	A39	5,621,906	04-15-1997	O'Neill et al.	
	A40	5,625,611	04-29-1997	Yokota et al.	
	A41	5,625,764	04-29-1997	Tsujimoto et al.	
	A42	5,635,985	06-03-1997	Boyce et al.	
	A43	5,638,501	06-10-1997	Gough et al.	
	A44	5,640,543	06-17-1997	Farrell et al.	
	A45	5,664,162	09-02-1997	Dye	
	A46	5,664,143	12-02-1997	Fieldor et al.	
	A47	5,696,527	12-09-1997	King et al.	
	A48	5,706,478	01-06-1998	Dye	
	A49	5,708,764	01-13-1998	Bornei et al.	
	A50	5,719,593	02-17-1998	De Lange	
	A51	5,727,064	03-10-1998	Pan et al.	
	A52	5,742,779	04-21-1998	Steele et al.	
	A53	5,745,095	04-28-1998	Parchem et al.	
	A54	5,748,083	05-06-1998	Gulick et al.	
	A55	5,751,879	05-12-1998	McCrory	
	A56	5,754,185	05-19-1998	Hsao et al.	
	A57	5,757,377	05-26-1998	Bei-Loh Lee et al.	
	A58	5,758,177	05-26-1998	Gulick et al.	
	A59	5,781,516	06-02-1998	Rostoker et al.	
	A60	5,784,238	06-09-1998	Lum et al.	
	A61	5,790,136	06-04-1998	Hoffert et al.	
	A62	5,790,795	06-04-1998	Hough	
	A63	5,790,842	06-04-1998	Charles et al.	
	A64	5,783,445	06-11-1998	Lum et al.	
	A65	5,815,137	09-29-1998	Weatherford et al.	
	A66	5,826,383	10-27-1998	May et al.	
	A67	5,831,615	11-03-1998	Dreus et al.	
	A68	5,844,308	12-01-1998	Yu et al.	
	A69	5,864,345	01-26-1999	Wicksom et al.	
	A70	5,867,166	02-02-1999	Myhrvold et al.	
	A71	5,870,622	02-09-1999	Gulick et al.	
	A72	5,874,967	02-23-1999	West et al.	
	A73	5,884,300	04-13-1999	Takura	
	A74	5,914,726	05-22-1999	Yamagishi et al.	
	A75	5,920,572	07-06-1999	Washington et al.	
	A76	5,920,682	07-06-1999	Sihu et al.	
	A77	5,923,316	07-13-1999	Kitamura et al.	
	A78	5,923,385	07-13-1999	Mills et al.	
	A79	5,926,647	07-20-1999	Adams et al.	
	A80	5,940,089	06-17-1999	Dilliplane et al.	
	A81	5,941,988	06-24-1999	Margard et al.	

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Sheet 3 Of 7

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Group Art Unit	2628
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		Number-Kind Code ² (if known)			
	A82	5,949,432	09-07-1999	Gough et al.	
	A83	5,949,439	09-07-1999	Ben-Yoseph et al.	
	A84	5,951,644	09-14-1999	Lambrecht et al.	
	A85	5,956,041	09-21-1999	Koyamada et al.	
	A86	5,959,626	09-29-1999	Garrison et al.	
	A87	5,959,637	09-29-1999	Mills et al.	
	A88	5,960,464	09-29-1999	Lam	
	A89	5,963,201	10-05-1999	McGreggor et al.	
	A90	5,963,282	10-05-1999	Ke et al.	
	A91	5,977,933	11-02-1999	Wicher et al.	
	A92	5,978,509	11-02-1999	Nachtergaele et al.	
	A93	5,982,381	11-09-1999	Joshi et al.	
	A94	5,982,459	11-09-1999	Fendriano et al.	
	A95	5,987,555	11-18-1999	Alzien et al.	
	A96	5,992,411	12-14-1999	Dye	
	A97	5,992,882	12-14-1999	Garde	
	A98	5,995,546	12-21-1999	Keane	
	A99	5,998,303	12-21-1999	Barnaby et al.	
	A100	6,018,803	01-25-2000	Kardach	
	A101	6,023,302	02-08-2000	Macinnis et al.	
	A102	6,023,738	02-08-2000	Priem et al.	
	A103	6,028,553	02-22-2000	Hamburg	
	A104	6,038,031	03-14-2000	Murphy	
	A105	6,048,740	04-04-2000	LaRoche et al.	
	A106	6,064,878	05-16-2000	Stebory et al.	
	A107	6,078,305	06-20-2000	Mizutani	
	A108	6,081,854	06-27-2000	Priem et al.	
	A109	6,088,046	07-11-2000	Larson et al.	
	A110	6,088,355	07-11-2000	Mills et al.	
	A111	6,092,124	07-18-2000	Priem et al.	
	A112	6,094,226	07-25-2000	Ke et al.	
	A113	6,098,048	08-01-2000	Cooper et al.	
	A114	6,100,826	08-08-2000	Jeon et al.	
	A115	6,100,899	08-08-2000	Ameline et al.	
	A116	6,105,048	08-15-2000	Ho	
	A117	6,108,014	08-22-2000	Dye	
	A118	6,111,896	08-29-2000	Stebory et al.	
	A119	6,121,978	09-19-2000	Miller	
	A120	6,124,865	09-26-2000	Meinert et al.	
	A121	6,125,410	09-26-2000	Salbaum et al.	
	A122	6,133,901	10-17-2000	Law	
	A123	6,151,030	11-21-2000	DeLosow et al.	
	A124	6,151,074	11-21-2000	Werner	

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Sheet 4 Of 7

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		Number-Kind Code* ² (if known)			
	A125	6,157,415	12-05-2000	Gien	
	A126	6,157,978	12-05-2000	Ng et al.	
	A127	6,160,969	12-12-2000	Hendricks et al.	
	A128	6,167,498	12-25-2000	Larson et al.	
	A129	6,169,843	01-02-2001	Lenihan et al.	
	A130	6,164,908	02-06-2001	Chan et al.	
	A131	6,169,054	02-19-2001	MacInnis et al.	
	A132	6,199,131	03-06-2001	Melo et al.	
	A133	6,204,859	03-20-2001	Jouppi et al.	
	A134	6,205,260	03-20-2001	Crinon et al.	
	A135	6,206,354	03-27-2001	Porter	
	A136	6,212,590	04-03-2001	Melo et al.	
	A137	6,229,550	05-09-2001	Gloudermans et al.	
	A138	6,236,610	05-29-2001	Van Hook et al.	
	A139	6,252,606	06-28-2001	Snyder et al.	
	A140	6,263,019	07-17-2001	Ryan	
	A141	6,263,396	07-17-2001	Cottle et al.	
	A142	6,266,072	07-24-2001	Koga et al.	
	A143	6,266,753	07-24-2001	Hook et al.	
	A144	6,269,107	07-31-2001	Jong	
	A145	6,271,826	08-07-2001	Pol et al.	
	A146	6,311,204	10-30-2001	Mills	
	A147	6,320,619	11-20-2001	Jiang	
	A148	6,326,984	12-04-2001	Chow et al.	
	A149	6,327,000	12-04-2001	Auld et al.	
	A150	6,335,746	01-01-2002	Enokida et al.	
	A151	6,337,703	01-08-2002	Konar et al.	
	A152	6,342,892	01-29-2002	Van Hook et al.	
	A153	6,351,471	02-26-2002	Robinet et al.	
	A154	6,361,474	02-26-2002	Robinet et al.	
	A155	6,362,827	03-26-2002	Ohba	
	A156	6,380,945	04-30-2002	MacInnis et al.	
	A157	6,411,333	06-25-2002	Auld et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†*
		Country Code* ² Number* ³ Kind Code* ⁴ (if known)				
	B1	EP 0748116 A2	12-04-1995	Hiratsuka		
	B2	EP 0 752 885	01-06-1997	O'Sullivan		
	B3	EP 0640276 A2	05-06-1998	Benbassat		
	B4	EP 0640277 A2	05-06-1998	Chauvel		

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	B5	EP 0 840 505	05-06-1998	Chauvel		
	B6	GB 2287627 A	03-01-1995	Wong		
	B7	WO 94/10641	05-11-1994	Mical		
	B6	WO 00/28516	05-18-2000	Macinnis		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				
	C1	Plaintiff and Counterdefendant Qualcomm Incorporated's Preliminary Invalidity Contentions For U.S. Patent 6,501,480 and 6,570,579				
	C2	Thomas Porter & Tom Duff, "Compositing Digital Images", Computer Graphics, Vol. 18, No. 3, July 1984, pp. 253-259				
	C3	Akeley, K. & Jermoluk T., "High-Performance Polygon Rendering," 22 Computer Graphics No. 4 (ACM August 1986).				
	C4	Aggar, B., et al., "A Display System for the Stellar Graphics Superconductor Model GS1000," 22 Computer Graphics No. 4 (ACM August 1986).				
	C5	Asai, M.D., et al., "Novel Architecture for a High Performance Full Custom Graphics Processor," (IEEE 1989).				
	C6	Awaga, M., et al., "3D Graphics Processor Chip Set," (IEEE December 1995).				
	C7	Cox, M. & Bhandari, N., "Architectural Implications of Hardware-Accelerated Bucket Rendering on the PC," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).				
	C8	Cyrix Corporation Manual, copyrighted 1996, 1997, and all underlying development work.				
	C9	Deering, M., et al., "The Triangle Processor and Normal Vector Shader: A VLSI System for High Performance Graphics," 22 Computer Graphics No. 4 (ACM August 1986).				
	C10	Donovan, W., et al., "Pixel Processing in a Memory Controller," (IEEE Computer Graphics and Applications 1995).				
	C11	Dutton, T., "The Design of the DEC 3000 Model 500 AXP Workstation," (IEEE 1993).				
	C12	Foley, James, D., et al., "Introduction to Computer Graphics," (Addison-Wesley Publishing Co. 1994) ("Introduction to Computer Graphics").				
	C13	Galbi, D., et al., "An MPEG-1 Audio/Video Decoder with Run-Length Compressed Antialiased Video Overlays," (1995 IEEE International Solid-State Circuits Conference).				
	C14	Glaskowsky, Peter, "Cyrix Creates Ultimate CPU for Games," Microprocessor Report, December 8, 1997.				
	C15	Glaskowsky, Peter, "Intel Displays 740 Graphics Chip: Auburn Sets New Standard for Quality - But Not Speed," Microprocessor Report No. 2, February 16, 1998.				
	C16	Gwennep, L., "Verite: A Programmable 3D Chip: Rendition Uses Internal RISC CPU for Versatility, Performance," 10 Microprocessor Report No. 6, May 8, 1996.				
	C17	Hosotani S., et al., "A Display Processor Conforming to all DTV Formats with 188-TAP FIR Filters and 284 Kb FIFO Memories," (IEEE 1997 (Manuscript received June 13, 1997)).				
	C18	Krittel, G. & Straber, W., "VIZARD - Visualization Accelerator for Realtime Display," (Association for Computing Machinery SIGGRAPH/Eurographics Workshop 1997).				
	C19	Lewis, R., et al., "Delivering PCI in HP B-Class and C-Class Workstations: A Case Study in the Challenges of Interfacing with Industry Standards," (Hewlett-Packard Journal May 1996).				
	C20	Manepally, R. & Sprague, D., "Intel's i750 (R) Video Processor - The Programmable Solution," (IEEE 1991).				

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First Named Inventor	Ramanujan Vaimiki
Group Art Unit	2628
Examiner Name	Sajous, Wesner
Attorney Docket Number	17413US02

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C21	McCormack, J., et al., "Neon: A Single-Chip 3D Workstation Graphics Accelerator," (SIGGRAPH Eurograph Workshop Graph Hardware August 31, - Sept. 1, 1996).
	C22	Nord, F. & Wawrzyniak, R., "A Multimedia-Enhanced x86 Processor, Digest of Technical Papers," ISSCC96 (February 9, 1996).
	C23	Oguchi, T., et al., "A Single-Chip Graphic Display Controller," (1981 IEEE International Solid-State Circuits Conference).
	C24	Sofarmen, Z., et al., "Advanced Graphics Behind Medical Virtual Reality: Evolution of Algorithms, Hardware, and Software Interfaces," 66 Proceedings of the IEEE No. 3 (IEEE March 1998 (Manuscript received July 3, 1997)).
	C25	Scott, N., et al., "An Overview of the VISUALIZE fx Graphics Accelerator Hardware," (Hawlett-Packard Journal May 1998) and all underlying development work ("HP").
	C26	Sumi, M., et al., "A 40-Mpixel/s Bit Block Transfer Graphics Processor," (IEEE 1989).
	C27	Foley, James D., et al., Computer Graphics: Principles and Practice; publication, 1996, 1990; The Systems Programming Series, 4 pages, Second Edition in C; Addison-Wesley Publishing Company, U.S.A.
	C28	Tobias, R., "The LR33020 GraphX Processor: A Single Chip X-Terminal Controller," (IEEE 1992).
	C29	Watkins, J., et al., "A Memory Controller with an Integrated Graphics Processor (IEEE 1993).
	C30	Yao, Yong, "Samsung Launches Media Processor: MSP is Designed for Microsoft's New 3D-Software Architecture," 10 Microprocessor Report No. 11, August 26, 1996.
	C31	Yao, Yong, "Competition Heats Up in 3D Accelerators: Market Hungers for a Unified Multimedia Platform from Microsoft," 10 Microprocessor Report No. 15, November 18, 1996.
	C32	Yao, Yong, "Chromatic's Impact 2 Boosts 3D: Impact/3000 Becomes First Media Processor to Ship in Volume," 10 Microprocessor Report No. 15, November 18, 1996.
	C33	Motorola, Inc. MC92100 "Scorpion" Graphics Display Generator, SDRAM Controller, and Digital Video Encoder, 1997, 6 pages.
	C34	Power TV, Inc., Eagle™ Graphics/Audio Media Compositor Data Sheet, Version 1.7, Feb. 27, 1997, pp. 83.
	C35	Berekovic, M. & Pirsch, P., "Architecture of a Coprocessor Module for Image Compositing," (IEEE 1998).
	C36	Blinn, J., "Compositing, Part I: Theory," (IEEE September 1994).
	C37	Blinn, Jim; Jim Blinn's Corner Dirty Pixels; publication, 1998; pp. 179-180; Chapter Sixteen; Morgan Kaufmann Publishers, Inc.; San Francisco, CA, U.S.A.
	C38	Jaspers, et al., "A Flexible Heterogeneous Video Processor System for Television Applications," (IEEE Sept. 25, 1998).
	C39	Li, R., et al., "A Flexible Display Module for DVD and Set-Top Box Applications," (IEEE Transactions on Consumer Electronics August 1997 (Manuscript received June 13, 1997)).
	C40	Ostermann, J., "Coding of Arbitrarily Shaped Objects with Binary and Greyscale Alpha-Maps: What Can MPEG-4 Do for You?," (Proceedings of the 1998 IEEE International Symposium on Circuits and Systems, May 31-June 3, 1998, Vol. 5).
	C41	Styzt, et al., "Three-Dimensional Medical Imaging: Algorithms and Computer Systems," (ACM Computing Surveys, December 1991).
	C42	Wang, J. & Adelson, E., "Representing Moving Images with Layers," (IEEE Transactions on Image Processing, September 1994).
	C43	Sun, Hui-fang et al., "A New Approach for Memory Efficient ATV Decoding," 1997 IEEE International Conference on Consumer Electronics, pp. 174-175, Los Angeles, 1997.

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STATEMENT BY APPLICANT**

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Sheet 7 Of 7

Complete if Known

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	C44	Bao, Jay et al., "HDTV Down-Conversion Decoder," IEEE Transactions on Consumer Electronics, pp. 402-410, vol. 42, No. 3, Aug. 1996.
	C45	Mokry, Robert et al., "Minimal Error Drift in Frequency Scalability for Motion-Compensated DCT Coding," IEEE Transactions on Circuits and Systems for Video Technology, pp. 392-406, vol. 4, No. 4, Aug. 1994.
	C46	Vetro, Anthony et al., "Minium Drift Architectures for 3-Layer Scalable DTV Decoding," IEEE Transactions on Consumer Electronics, pp. 527-536, vol. 44, No. 3, Aug. 1998.
	C47	Lee, Dong-Ho et al., "HDTV Video Decoder Which Can Be Implemented With Low Complexity," IEEE International Conference on Consumer Electronics, pp. 8-7, 1994.
	C48	Sun, HuiFang, "Hierarchical Decoder for MPEG Compressed Video Data," IEEE Transactions for Consumer Electronics, pp. 559-564, vol. 39, No. 3, Aug. 1993.
	C49	Yu, Haoping et al., "Block-Based Image Processor for Memory Efficient MPEG Video Decoding," 1999 IEEE International Conference on Consumer Electronics, pp. 114-115, 1999.

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